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ABSTRACT

Simple peering is provided in a novel network in
which transport technology is independent of network access
technology. An out-of-band network may be used to carry
advertisements to an update facility. The update facility
may use layer 3 destination address information and at
least a part of context information (to identify customers
uniquely) to determine a layer 3 address of an edge device
of the transport network associated with an addressed
customer device. Virtual private networks are supported,
as context information is used to distinguish different
customers with overlapping layer 3 addresses.